UTILITY PATENT APPLICATION TRANSMITTAL

	B	2400	A
Attorney Docket No.: C		CR1049AC	
First Inventor:		THOMAS ET AL.	
Title: A VECTOR ESTIMA ASSOCIATED ENC		OR ESTIMATION SYSTEM, METHOD AND ATED ENCODER	
Express Mail Label No.		FT861521381IJS	

(Only for new nonprovisional applications under 37 CFR 1.53(b))							
APPLICATION ELEMENTS		Assistant Commissioner for Patents					
(see MPEP chapter 600 concerning	ADDRESS TO:	Box Patent Application					
utility patent application contents)		Washington, D.C. 20231					
1. X Fee Transmittal Form in duplicate		7. CD-ROM or CD-R in duplicate, large					
(Submit an original and a duplicate for fee proces	ssing)	7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)					
2. Applicant claims small entity status		8. Nucleotide and/or Amino Acid Sequence					
See 37 CFR 1.27		(if applicable, all necessary)					
3. X Specification Total Pages	39	a. Computer Readable Form (CFR)					
(preferred arrangement set forth below	w)	b. Specification Sequence Listing on:					
-Descriptive title of the invention	•	i. CD-ROM or CD-4 (2 copies);					
-Cross Reference to Related Application		ii. or paper					
-Statement Regarding Fed sponsored F	R&D	c. Statements verifying identify of above copies					
-Reference to sequence listing	g, a table,	ACCOMPANYING APPLICATION PARTS					
-Background of the Invention		9. X Assignment Papers (cover sheet & document(s))					
-Brief Summary of the Invention							
-Brief Description of the Drawings (if filed	l	10. 37 CFR 3.73(b) X Power of Attorney					
-Detailed Description	!	Statement (when there is an assignee)					
-Claim(s)	İ	11. English Translation Document (if applicable)					
-Abstract of the Disclosure							
		12. DS Copies of IDS Citations					
4. X Drawing(s) Total Sheets	5	13. Preliminary Amendment					
5. Oath or Declaration		14. X Return Receipt Postcard (MPEP 503)					
a. X Newly executed (original or co	ру)	15. Certified Copy of Priority Document					
b. Copy from a prior application ((37	16. Nonpublication Request under 35 U.S.C.					
CFR 1.63(d)) (for continuation		122(b)(2)(B)(i). Applicant must attach form					
Box 18 completed)		PTO/SB/35 or its equivalent.					
i. DELETION OF INVEN		17 Other:					
Signed statement attached dele	-						
inventor(s) named in the prior see 37 CFR 1.63(d)(2) and 1.3.							
6. Application Data Sheet under 37 C							
		the requisite information below and in a preliminary amendment:					
Continuation Divisional	Continuation-						
Prior Appl. information: Examiner:		Group/Art Unit:					
For CONTINUATION OR DIVISIONAL APPS only The entire disclosure of	of the prior application, from v	which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of ration can only be relied upon when a portion has been inadvertently omitted from the submitted					
application parts	ted by reference The incorpor	and a <u>controlling</u> of the controlling of the contr					
19.	CORRESPONDEN	CE ADDRESS					
Customer Number or Bar Code Label		or Correspondence address below					
Name DANIEL K. NICHOLS							
Motorola, Inc. – Law Departm							
Address 1303 E. ALGONQUIN ROAD)						
City SCHAUMBURG	State	IL Zip Code 60196					
Country U.S.A. Telephone	·	847-576-5219 Fax 847-576-3750					
Name DANIEL K. NICHOLS		Registration No. 29,720					
SIGNATURE Dand (by		Date 11/16/2001					

FEE TRANSMITTAL

Patent fees are subject to annual revision

Complete if Known					
Application Number					
Filing Date	11/16/2001				
First Named Inventor	MARK THOMSON				
Examiner Name					
Group Art Unit					
Attaura on Daniert Nie	00404040				

Group Art Unit							······································		
TOTAL AMOUNT OF PAYMENT	(\$) 1,128.00	Attorney Docket No.		CR1049AC					
METHO	FEE CALCULATION (continued)								
The Commissioner is hereby authorized to charge indicated fees and				3. ADDITIONAL FEES					
credit any overpayment to:			Large Small Entity Entity						
Deposit Account Number Deposit Account Name	Motorola, Inc.	13-4772		Fee	Fee	Fee			
Deposit Account Name	iviotoroia, iric.		Fee Code	(\$)	Code	(\$)	Fee Description		
Charge Any Additional Fee required under 37 CFR 1.16 and 1.17				130	205	65	Surcharge – late filing fee or oath		
			127 139	50	227	25	Surcharge – late Provisional filing		
Applicant claims small entity status. See 37 CFR 1.27				130	139	130	Non-English specification		
			147	2520	147	2520	For filing a request for ex parte Reexamination		
2. Payment Enclosed			112	920*	112	920*	Requesting publication of SIR pnor to Examiner action		
Check Credit Card Money Order Other				1840*	113	1840*	Requesting publication of SIR after Examiner action		
FEE CALCULATION			115 116	110 400	215 216	55 200	Extension for reply within first month		
ELECALCULATION			117	920	217	460	Extension for reply within second month Extension for reply within third month	-	
BASIC FILING FEE			118	1440	218	720	Extension for reply within fourth month		
			128	1960	228	980	Extension for reply within fifth month		
Large Entity Small	Entity		119	320	219	160	Notice of Appeal		
Mest 3	Fee		120	320	220	160	Filing a brief in support of an appeal		
Code (\$) Code	(\$) Fe	ee Paid	121	280	221	140	Request for oral hearing Petition to institute a public use	-	
a cont			138	1510	138	1510	proceeding		
أُولِيًّا 101 740 201 ي 106 330 206	370 Utility filing fee 74	10	140 141	110 1280	240	55 640	Petition to revive - unavoidable		
107 540 207	165 Design filing fee 255 Plant filing fee		141	1280	241 242	640	Petition to revive - unintentional Utility issue fee (or reissue)	 	
107 510 207	370 Reissue filing fee	 ∤	143	460	243	230	Design issue fee	-	
114 160 214	80 Provisional filing fee		144	620	244	310	Plant issue fee		
in the second se			122	130	122	130	Petitions to the Commissioner		
iii Set	SUBTOTAL (1) (\$) 740		123	50	123	50	Processing fee under 37 CFR 1 17(q)		
2 EXTRA CLAIM FEES			126	180	126	180	Submission of IDS		
ਵਿਜ਼ਾਂ Previou ਼ਿਜ਼ਾਂ Pai	•	Fee Paid	581	40	581	40	Recording each patent assignment per property (times number of properties)	40	
Total Claims 30 - Independent Claims 5 -	20 = 10 X 18 3 = 2 X 84	= 180	146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))		
Multiple Dependent	280	=	149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))		
Large Entity Small Entity		<u> </u>	179	740	279	370	Request for Continued Examination		
Fee Fee Fee Fee Code (\$) Code (\$)	Fee Description	on	169	900	169	900	(RCE) Request for expedited examination		
103 18 203 9	Claims in excess of 20		04	(tr.)			of a design application		
102 84 202 42 104 280 204 140	Independent claims in excess of 3 Multiple dependent claim, if not pai		Other fee	(specily)					
109 84 209 42	* Reissue independent claims over								
110 10 210 0	*Deiesse steine in assess of 20 cm	ad assessments at							
110 18 210 9	*Reissue claims in excess of 20 an Patent	id over original							
**OR NUMBER PREVIOUSLY PAID, IF GREATER THAN STANDARD ALLOWANCE. *For Reissues, see above				* Reduced by Basic Filing Fee paid SUBTOTAL (3) (\$) 40					
SUBMITTED BY							Complete (if applicable)		
Name (Print/Type) DANIEL K. NICHOLS				tion No.	29,72	20	Telephone 847-538		
Signature Quick C7				Date 11/16/2001					